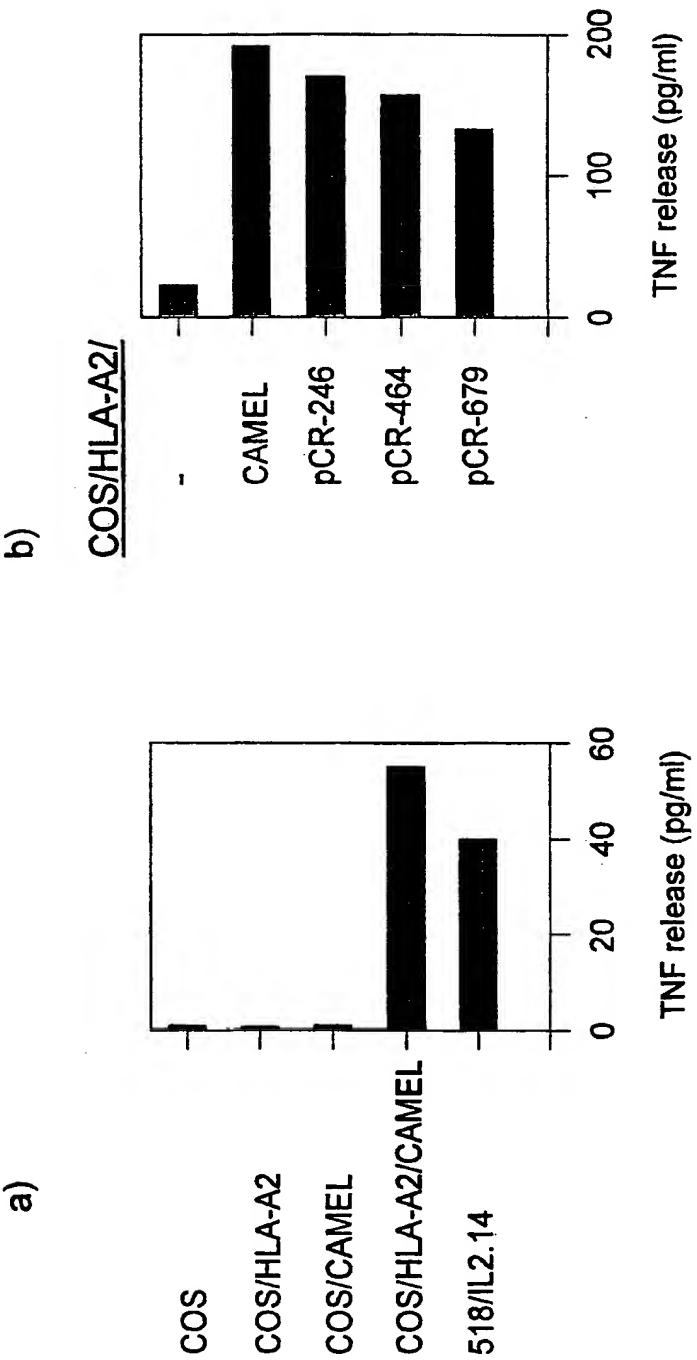


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Fig. 1



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Fig. 2A

FIGURE 2 A)

CAMEL	-----	-----	-----	-----	-----	-----	-----
LAGE-1 ^s	--ATCCTCGGGCCCTGACCTTCTCTGAGAGCCAGGGCTCCG	48					
LAGE-1 ^L	GCATCCTCGTGGGCCCTGACCTTCTCTGAGAGCCGGCAGGGCTCCG	50					
NY-ESO-1	--ATCCTCGTGGGCCCTGACCTTCTCTGAGAGCCGGCAGGGCTCCG	48					

CAMEL	-----	-----	-----	-----	-----	-----	-----
LAGE-1 ^s	GAGCC CATGC AGGCCAGGGCACAGGGGTTGACGGGGCATGCT	14					
LAGE-1 ^L	GAGCC CATGC AGGCCAGGGCACAGGGGTTGACGGGGCATGCT	98					
NY-ESO-1	GAGCC CATGC AGGCCAGGGCACAGGGGTTGACGGGGCATGCT	100					
	*****	98					

CAMEL	-----	-----	-----	-----	-----	-----	-----
LAGE-1 ^s	GATGGCCCAGGGCCATTCCCTGATGGCCAGGGGCAATGCTGG	64					
LAGE-1 ^L	GATGGCCCAGGGCCATTCCCTGATGGCCAGGGGCAATGCTGG	148					
NY-ESO-1	GATGGCCCAGGGCCATTCCCTGATGGCCAGGGGCAATGCTGG	150					
	*****	148					

CAMEL	-----	-----	-----	-----	-----	-----	-----
LAGE-1 ^s	CGGCCCAAGGAGGGGTGCCACGGCGAGGGTCCCCGGGCAG	114					
LAGE-1 ^L	CGGCCCAAGGAGGGGTGCCACGGCGAGGGTCCCCGGGCAG	198					
NY-ESO-1	CGGCCCAAGGAGGGGTGCCACGGCGAGGGTCCCCGGGCAG	200					
	*****	198					

Fig. 2A continued

CAMEL	GGGCAGCAAGGCCCTGGGGCGAGGGAGGGCGCCCCGGGGTCCGCAT	164
LAGE-1 ^s	GGGCAGCAAGGCCCTGGGGCGAGGGAGGGCGCCCCGGGGTCCGCAT	248
LAGE-1 ^L	GGGCAGCAAGGCCCTGGGGCGAGGGAGGGCGCCCCGGGGTCCGCAT	250
NY-ESO-1	GGGCAGCAAGGCCCTGGGGCGAGGGAGGGCGCCCCGGGGTCCGCAT	248
	*****	*****
CAMEL	GGCGGTGCCGCTTCTGCCAGGATGGAAGGTGCCCTGGGGGCCAGGAG	214
LAGE-1 ^s	GGCGGTGCCGCTTCTGCCAGGATGGAAGGTGCCCTGGGGGCCAGGAG	298
LAGE-1 ^L	GGCGGTGCCGCTTCTGCCAGGATGGAAGGTGCCCTGGGGGCCAGGAG	300
NY-ESO-1	GGCGGTGCCGCTTCAGGGCTGAATGGATGCTGCAGATGCCAGGGG	298
	*****	*****
CAMEL	GCGGACAGCCGCTGCCTCAGTTGCACATCACGATGCCTTCTCGTCGC	264
LAGE-1 ^s	GCGGACAGCCGCTGCCTCAGTTGCACATCACGATGCCTTCTCGTCGC	348
LAGE-1 ^L	GCGGACAGCCGCTGCCTCAGTTGCACATCACGATGCCTTCTCGTCGC	350
NY-ESO-1	GCGGAGAGCCGCTGCCTGAGTTCTACCTGCCATGCCATGCCAGACAC	348
	*****	*****
CAMEL	CCATGGAAAGCGGAGCTGGTCCGGAGTCCTGTCGGATGCCGCACCT	314
LAGE-1 ^s	CCATGGAAAGCGGAGCTGGTCCGGAGTCCTGTCGGATGCCGCACCT	398
LAGE-1 ^L	CCATGGAAAGCGGAGCTGGTCCGGAGTCCTGTCGGATGCCGCACCT	400
NY-ESO-1	CCATGGAAAGCGGAGCTGGCAGGAGCCTGCCAGGATGCCGCACCG	398
	*****	*****

Fig. 2A continued

CAMEL	CTCCCCGACCAGGGGGTTCTGAAGGACTTCACCGTGTCCGGCAACCT	364
LAGE-1 ^s	CTCCCCGACCAGGGGGTTCTGAAGGACTTCACCGTGTCCGGCAACCT	448
LAGE-1 ^L	CTCCCCGACCAGGGGGTTCTGAAGGACTTCACCGTGTCCGGCAACCT	450
NY-ESO-1	CTTCCCGTGCCAGGGTGCCTCTGAAGGAGTCACTGTGTCCGGCAACAT	448
	* * * * . *	
CAMEL	ACTGTTAT-----	373
LAGE-1 ^s	ACTGTTAT-----	457
LAGE-1 ^L	ACTGTTATGTCAGTCGGACAGGAAGGGCTGGCGGATGA	500
NY-ESO-1	ACTGACTAT-----	457
	* * * . * * *	
CAMEL	-----	373
LAGE-1 ^s	-----	457
LAGE-1 ^L	GGGTGGTGGGTGGGATCCGCCTCCCCGAGGGCAGAAAGCT	550
NY-ESO-1	-----	457
CAMEL	-----	373
LAGE-1 ^s	-----	457
LAGE-1 ^L	AGAGATCTCAGAACACCAAGGTCTAGAACAGACCTGGTAC	600
NY-ESO-1	-----	457

Fig. 2A continued

Fig. 2A continued

CAMEL	CAGGCTCCCTCAGGGCAGAGGGCTAAGCCAGCCCTGGC	535
LAGE-1 ^s	CAGGCTCCCTCAGGGCAGAGGGCTAAGCCAGCCCTGGC	619
LAGE-1 ^L	CAGGCTCCCTCAGGGCAGAGGGCTAAGCCAGCCCTGGC	850
NY-ESO-1	CAGGCTCCCTCAGGGCAGAGGGCTAAGCCAGCCCTGGC	519

CAMEL	GGTCATGCCCTCCCTAGGAAATGGCTCCAGCAGGTGCCAGTTCA	585
LAGE-1 ^s	GGTCATGCCCTCCCTAGGAAATGGCTCCAGCAGGTGCCAGTTCA	669
LAGE-1 ^L	GGTCATGCCCTCCCTAGGAAATGGCTCCAGCAGGTGCCAGTTCA	900
NY-ESO-1	GGTCATGCCCTCCCTAGGAAATGGCTCCAGCAGGTGCCAGTTCA	669

CAMEL	TTGTGGGGCCTGATTGTTGTCGCTGGAGGGACGGCTTACATGTTG..	635
LAGE-1 ^s	TTGTGGGGCCTGATTGTTGTCGCTGGAGGGACGGCTTACATGTTG..	719
LAGE-1 ^L	TTGTGGGGCCTGATTGTTGTCGCTGGAGGGACGGCTTACATGTTG..	950
NY-ESO-1	TTGTGGGGCCTGATTGTTGTCGCTGGAGGGACGGCTTACATGTTG..	719

CAMEL	TTTCTGTAGAAAATAAGCTGAGCTACGAAAAA-----	679
LAGE-1 ^s	TTTCTGTAGAAAATAAGCTGAGCTACGAAAAA-----	767
LAGE-1 ^L	TTTCTGTAGAAAATAAGCTGAGCTACGAAAAA-----	993
NY-ESO-1	TTTCTGTAGAAAATAAAACTGAGCTACGAAA-----	752

Fig. 2B

ORF3

LAGE-1 ^S	MQAEGQQGGSTGDADPGGGPGIPDGPGGNAGGPGEAGAT	40
LAGE-1 ^L	MQAEGQQGGSTGDADPGGGPGIPDGPGGNAGGPGEAGAT	40
NY-ESO-1	MQAEG R GTGGSTGDADPGGGPGIPDGPGGNAGGPGEAGAT	40

LAGE-1 ^S	GGRGPRGAGAARASGPRGGAPRGPHGGAASAQDGRCP CGA	80
LAGE-1 ^L	GGRGPRGAGAAGAARASGPRGGAPRGPHGGAASAQDGRCP CGA	80
NY-ESO-1	GGRGPRGAGAARASGPGGGAPRGPHGGAAS G LNNGCC R CGA	80

LAGE-1 ^S	RRPDSRLQLHITMPFSSPMEAEELVRRILSRDAAPLPRPG	120
LAGE-1 ^L	RRPDSRLQLHITMPFSSPMEAEELVRRILSRDAAPLPRPG	120
NY-ESO-1	RGPESR LIE FYIAMPFAT PMEAEEL AARRSIAQDAP PPLP VPG	120

LAGE-1 ^S	AVLKDFTVSGNLLFIRLTAADHRQLQLSISSSCLQQQLSLLM	160
LAGE-1 ^L	AVLKDFTVSGNLL EMSVRDQDREGAGRMRVV GWGLGSASP	160
NY-ESO-1	VLIKEF FTVSGNIL T IRLTAADHRQLQLSISSSCLQQQLSLLM	160

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Fig. 2B continued

LAGE-1^S WITQCFLPVFLAQAPSGQRR 180
 LAGE-1^L **EGQKARDLRTPKHKVSEQRPGTPGPPPPEGAQGDGCRGVA** 200
 NY-ESO-1 WITQCFLPVFLAQAPPSGQRR 180

LAGE-1^S 180 aa, 18.2 KD
 LAGE-1^L **ENVMFSAPHI** 210 aa, 21.1 KD
 NY-ESO-1 180 aa, 18.2 KD

ORF1
 LAGE-1^S
 LAGE-1^L
 NY-ESO-1

MLMAQEALALFLMAQGAMILAAQERRVPRRAEVPGAQGQQGP 40
MLMAQEALALFLMAQGAMILAAQERRVPRRAEVPGAQGQQGP 40
MLMAQEALALFLMAQGAMILAAQERRVPRRAEVPGAQGQQGP 40

RGREEAPRGVRMAVPLIRRMEGAPAGPGGRTAACFSCTS 80
 RGREEAPRGVRMAVPLIRRMEGAPAGPGGRTAACFSCTS 80
 RGREEAPRGVRMA**ARLQG** 58

LAGE-1^S CLSRRPWKRSWSAGSCPGMPHLSPDQGRF 109 aa, 11.7 KD
 LAGE-1^L CLSRRPWKRSWSAGSCPGMPHLSPDQGRF 109 aa, 11.7 KD
 NY-ESO-1 58 aa, 6.2 KD

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Fig. 3

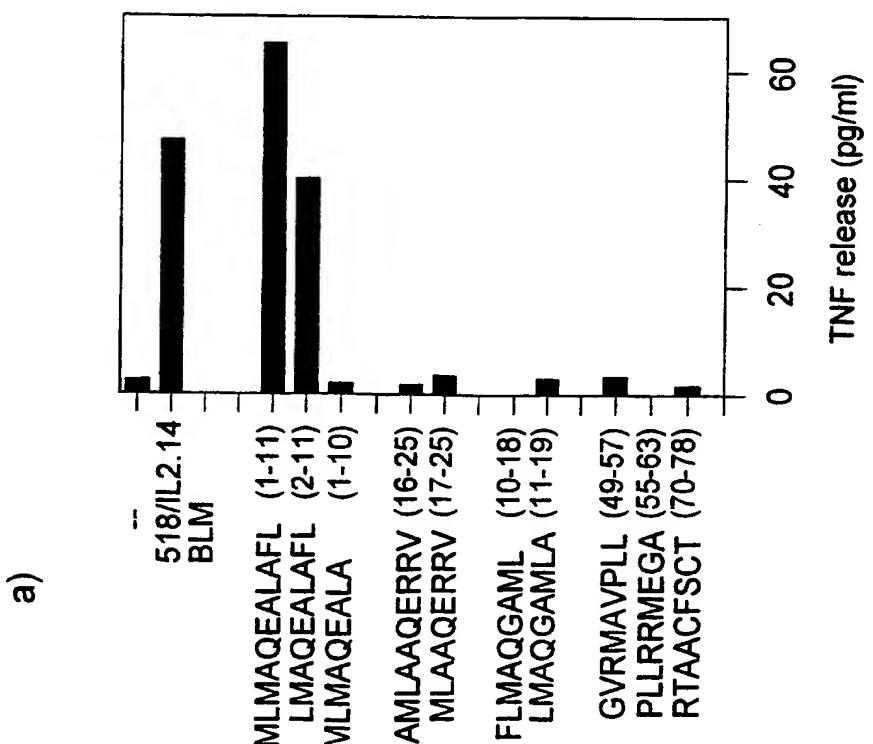
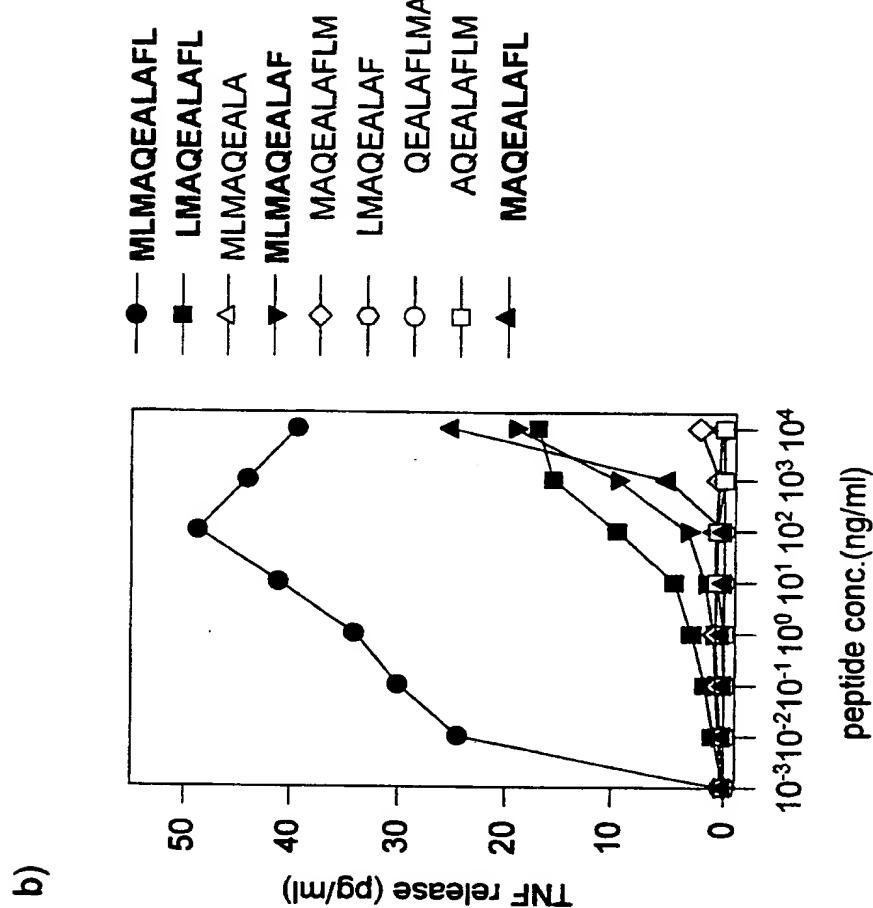
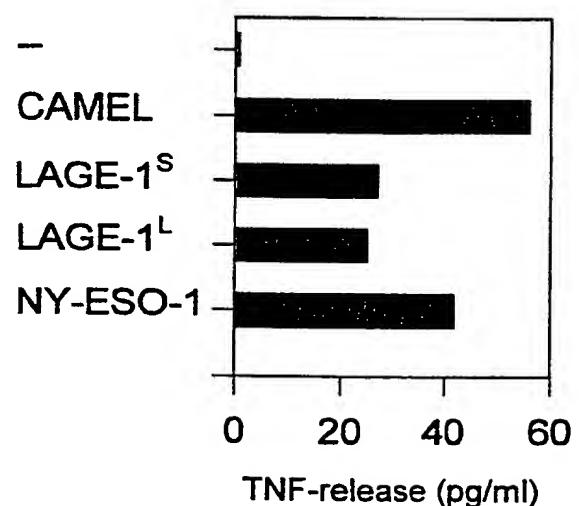
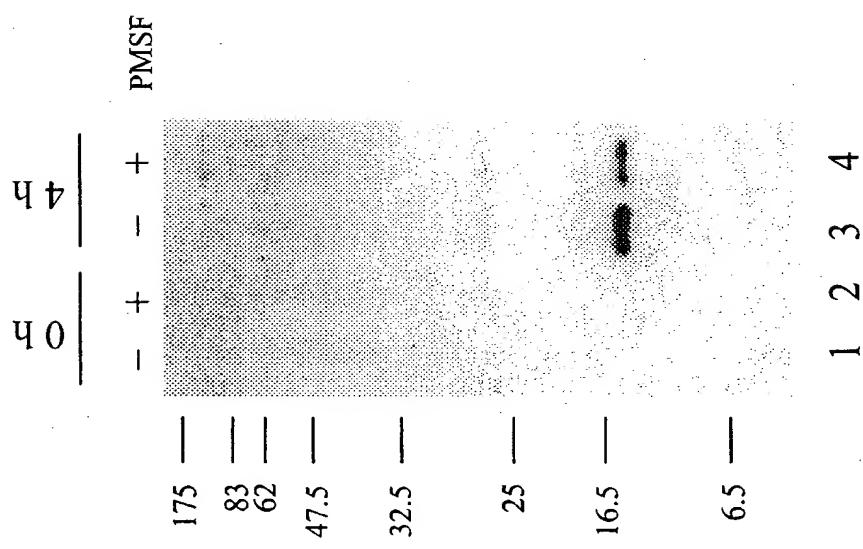


Fig. 4

COS/HLA-A2/

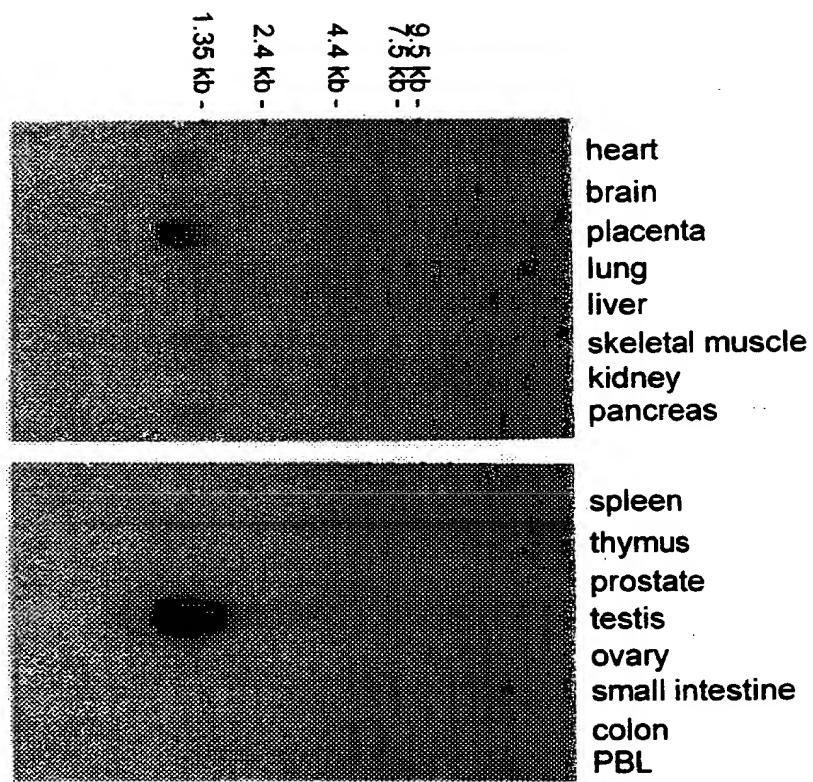
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Fig. 5



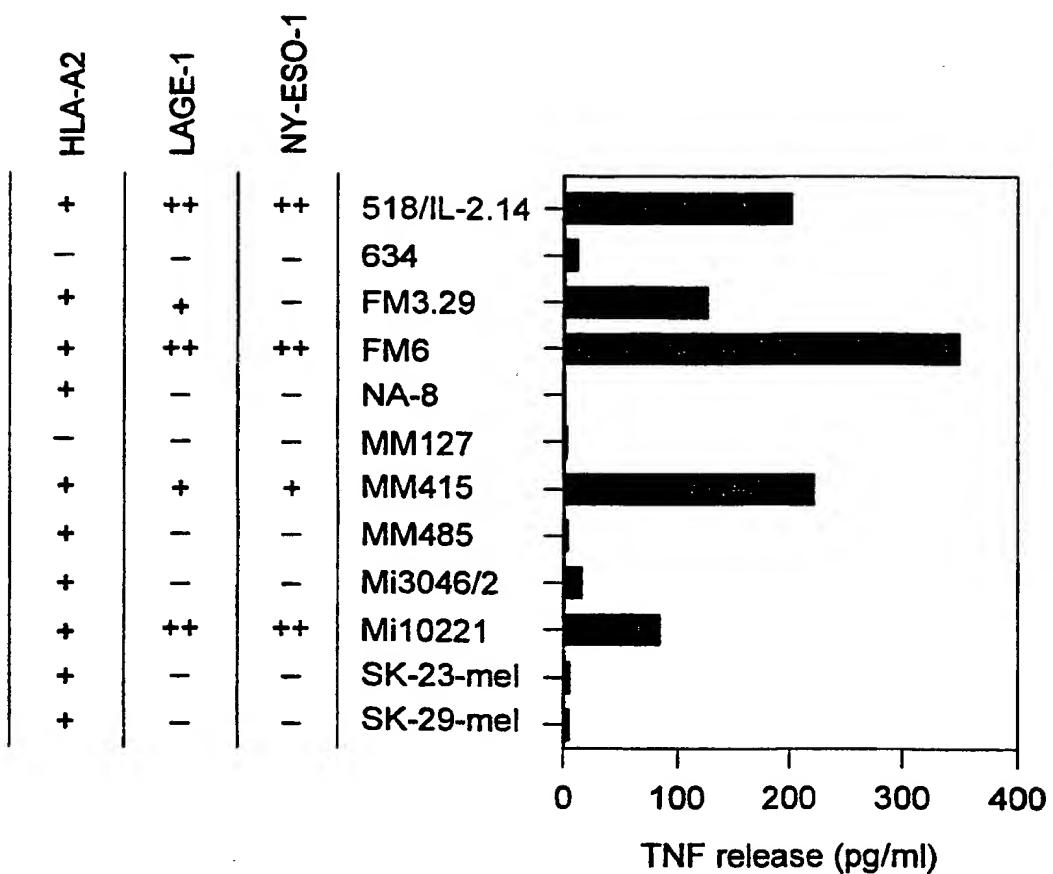
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Fig. 6A



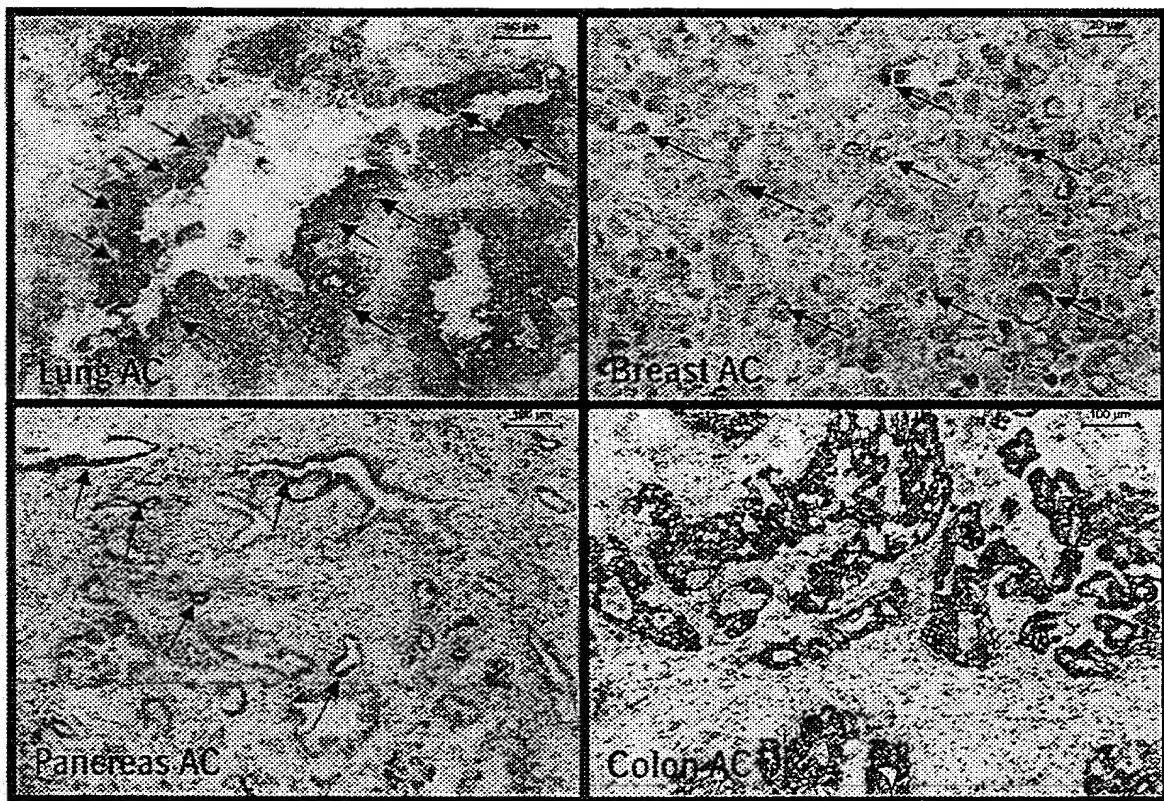
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Fig. 6B



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Fig. 7



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Fig. 8

